Size: 5,716 acres
Mission: Navigation and Electronic Warfare officer training; SAC Bombing and Refueling Squadron
HRS Score: 28.90; placed on NPL in July 1987
IAG Status: IAG signed in 1989
Contaminants: Solvents, jet fuel, petroleum hydrocarbons, and lead
Media Affected: Groundwater and soil
Funding to Date: $150.5 million
Estimated Cost to Completion (Completion Year): $114.4 million (FY2069)
Final Remedy in Place or Response Complete Date for BRAC Sites: FY2002

Sacramento, California

Restoration Background

In December 1988, the BRAC Commission recommended that Mather Air Force Base be closed. Before becoming inactive in FY93, the installation housed the 323d Flying Training Wing, a reserve air refueling group, and an Army National Guard aviation unit.

Studies have identified 88 sites at the installation, which were consolidated into six operable units (OUs): OU1, Aircraft Control and Warning System; OU2, Groundwater; OU3, Soil; OU4, Landfill; OU5, Basewide; and OU6. Prominent site types include landfills, underground storage tanks (USTs), fire training areas, a trichloroethene (TCE) disposal site, a weapons storage area, wash-rack areas, spill areas, and waste pits.

Interim Actions included removing USTs and contaminated soil, supplying an alternative water supply to nearby residents, removing sludge from a former wastewater treatment plant, and removing petroleum product from soil by vapor extraction.

In FY90, a RCRA Facility Assessment identified 48 solid waste management units (SWMUs) and two areas of concern (AOCs). By FY94, Remedial Investigation and Feasibility Study (RI/FS) activities were completed at OU4.

In FY94, the regulatory agencies approved the final draft Record of Decision (ROD) for OU1, and a Restoration Advisory Board (RAB) and a BRAC Cleanup Team (BCT) were formed.

In FY95, the regulatory agencies approved the final draft ROD for OU4. Construction was completed and Remedial Action (RA) began for OU1. Removal Actions were initiated to remediate petroleum contamination at several other sites. An Environmental Impact Statement has been prepared for the disposal and reuse of property at the installation.

In FY96, the regulatory agencies approved the final ROD for OU2 and OU3. Three of the installation's landfills were consolidated, and engineered caps were installed at two of the landfills. The installation also completed the RI for OU5.

By FY97, the installation had removed all identified substandard USTs. Two oil-water separator sites were closed. Construction began on the pump-and-treat system for OU2. Soil vapor extraction (SVE) and bioventing in situ soil treatment systems were installed at 11 sites. The Proposed Plan and draft ROD for OU5 were released.

FY98 Restoration Progress

The ROD for OU5 was finalized and signed. RA was selected at 7 of the 15 sites addressed in the OU, including former firing ranges, a sewage treatment facility, a solvent disposal site, and sewer lines in the Main Base Area.

A groundwater pump-and-treat facility for the Main Base/SAC Area plumes began operating. A soil gas investigation was conducted over a large area of the main base. Construction of the groundwater pump-and-treat system for the Site 7 plume began. Construction was completed to cap OU4, and a passive landfill gas control system was installed at Site 4.

In situ soil treatment using SVE and bioventing was installed at five sites and installation began at five additional sites. A Removal Action memorandum for drainage ditch Site 85 was signed, which allowed excavation of contaminated sediments to begin. Contaminated sediment was also removed from drainage ditch Sites 13 and 15. Four USTs were discovered and removed.

A finding of suitability to transfer (FOST) was prepared and approved for a part of the Economic Development Conveyance (EDC) Parcel.

Plan of Action

- Document RI and begin an FS for OU6
- Begin and complete the Phase II expansion into off-base areas of the Main Base/SAC plumes treatment system
- Begin Phase III expansion of the Main Base/SAC plumes treatment system
- Complete construction and begin operation of the pump-and-treat system for the Site 7 groundwater plume
- Complete remediation of gun range Sites 86 and 87
- Complete construction and begin operation of in situ soil treatment systems at Sites 7, 11, 37, 39, 54, and 59
- Construct foundation and begin capping of waste pit at Site 7
- Complete CERCLA five-year review for OU1
- Update base cleanup plan for Mather
- Prepare and complete a FOST to transfer the entire EDC Parcel area

Sites Achieving RIP or RC Per Fiscal Year